Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/04/2021 08:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125019	0	1.14	124900	1.13
Blue	F	SSC	125000	123226	-2	2.28	123469	2.08
Blue	E	FITC	13131	12601	-5	2.19	291	15.99
Blue	D	PE	24112	23611	-3	1.54	542	10.92
Blue	B	PerCP-Cy5-5	31295	30416	-3	2.91	1004	14.55
Blue	A	PE-Cy7	19939	19630	-2	5.07	524	29.49
Red	C	APC	42122	41816	-1	2.82	1753	11.38
Red	A	APC-Cy7	22340	21826	-3	3.20	813	11.82
Violet	B	V450	7410	7156	-4	3.43	434	12.82
Violet	A	V500	28118	26990	-5	3.00	673	10.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22750	1.41	569	0	N/A	N/A	Pass
Blue	F	SSC	57337	0.96	519	7	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	-1	0.0380	83	Pass
Blue	D	PE	114	37.06	489	1	0.3762	274	Pass
Blue	B	PerCP-Cy5-5	187	36.22	585	-1	0.0199	79	Pass
Blue	A	PE-Cy7	104	69.05	628	0	0.0214	0	Pass
Red	C	APC	406	23.67	579	3	0.0275	146	Pass
Red	A	APC-Cy7	183	27.68	553	2	0.0061	966	Pass
Violet	B	V450	62	64.34	449	-4	0.0578	2351	Pass
Violet	A	V500	97	37.51	460	-5	0.0257	1299	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.57	-31.47	1.17
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.41	13.60 - 20.40	N/A	N/A	29.90	30.05	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11502

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments